

## VERSION WITH MARKINGS TO SHOW CHANGES MADE

### In the Detailed Description of the Invention

Page 11 the line added between line 3 and line 4 has been amended as follows:

$$\text{-- } \partial^2 E_y / \partial t^2 = A \cos (\omega t + \phi^o) + \Delta + (-)^{1/2} + \text{zero vector} \text{ --}$$

### In the Claims

Page 12 Claim 1 paragraph 4 line 2 has been amended as follows:

-- combinations of input values and each combination of seed matrices [and;] ; and --

Page 12 Claim 2 lines 1 and 2, have been amended as follows:

--2. [Numeric control and modeling of an operating system or environment that consists of but is not limited to] An article of manufacture in computer readable medium for a program with the properties, --

Page 13 Claim 7 line 1 has been amended as follows:

-- 7. The claim of [3] 1 for numeric control and modeling of a controlled yet chaotic numerical --

**REMARKS/ARGUMENTS**

All claims remain in this application. Claims 1, 2, and 7 have supplemental amendments.

**Attached hereto is a marked-up version of the changes made to the document and claims by the current amendments. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE"**

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,



BY Joseph Dale Helmick  
Tel: (614)-239-8424  
2235 Waters Edge Blvd.  
Columbus, Ohio 43209